

**A SOFTWARE BASED INTERNET PROTOCOL ADDRESS SELECTION METHOD
AND SYSTEM**

ABSTRACT OF THE DISCLOSURE

A method and system for software based internet protocol (IP) address selection is disclosed. The method describes steps of assigning a single domain name to a set of server IP addresses, receiving a request for the domain name from a client IP address, retrieving a set of IP routes linking the server IP addresses and the client IP address, and selecting an IP route from the set of routes which meets predetermined criteria.

The system includes a set of servers, having a single domain name, a client computer, a set of routers, coupled to the servers and the client computer, for storing IP routes between the servers and the client; and a domain name system server, coupled to the routers, for selecting one of the IP routes which meets predetermined criteria.